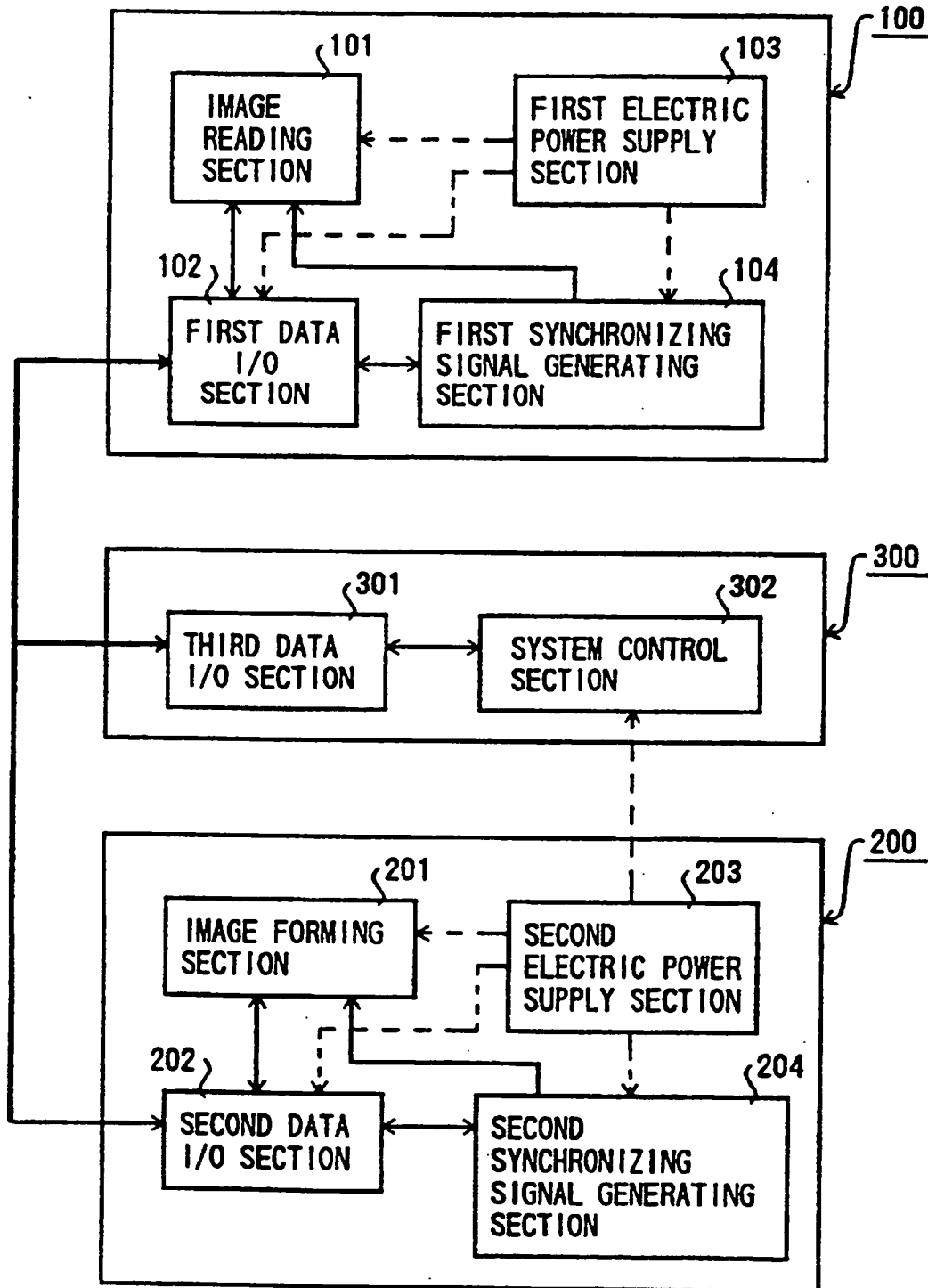


FIG. 1



Patent Section

FIG. 2

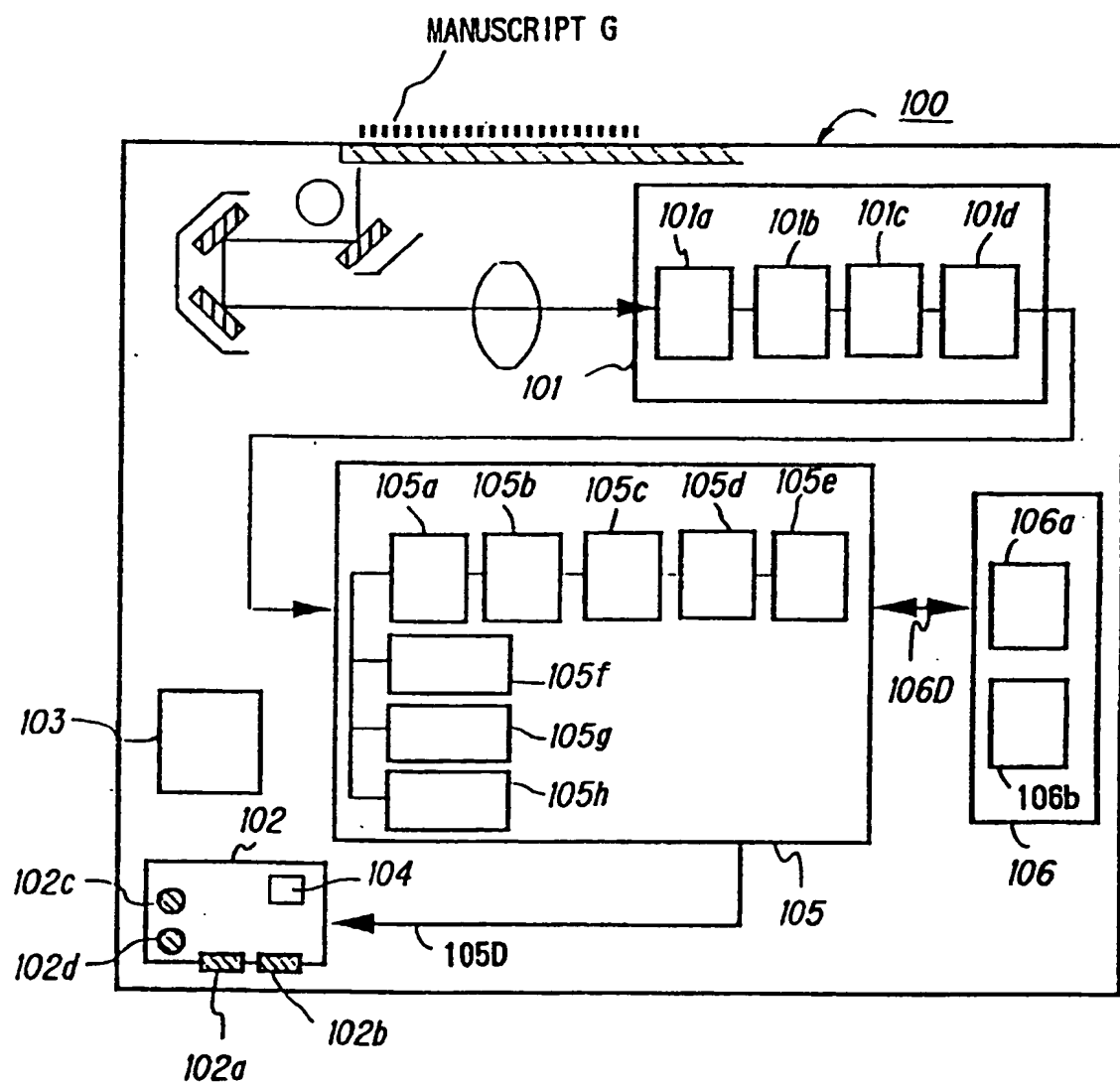


FIG. 2

FIG. 3

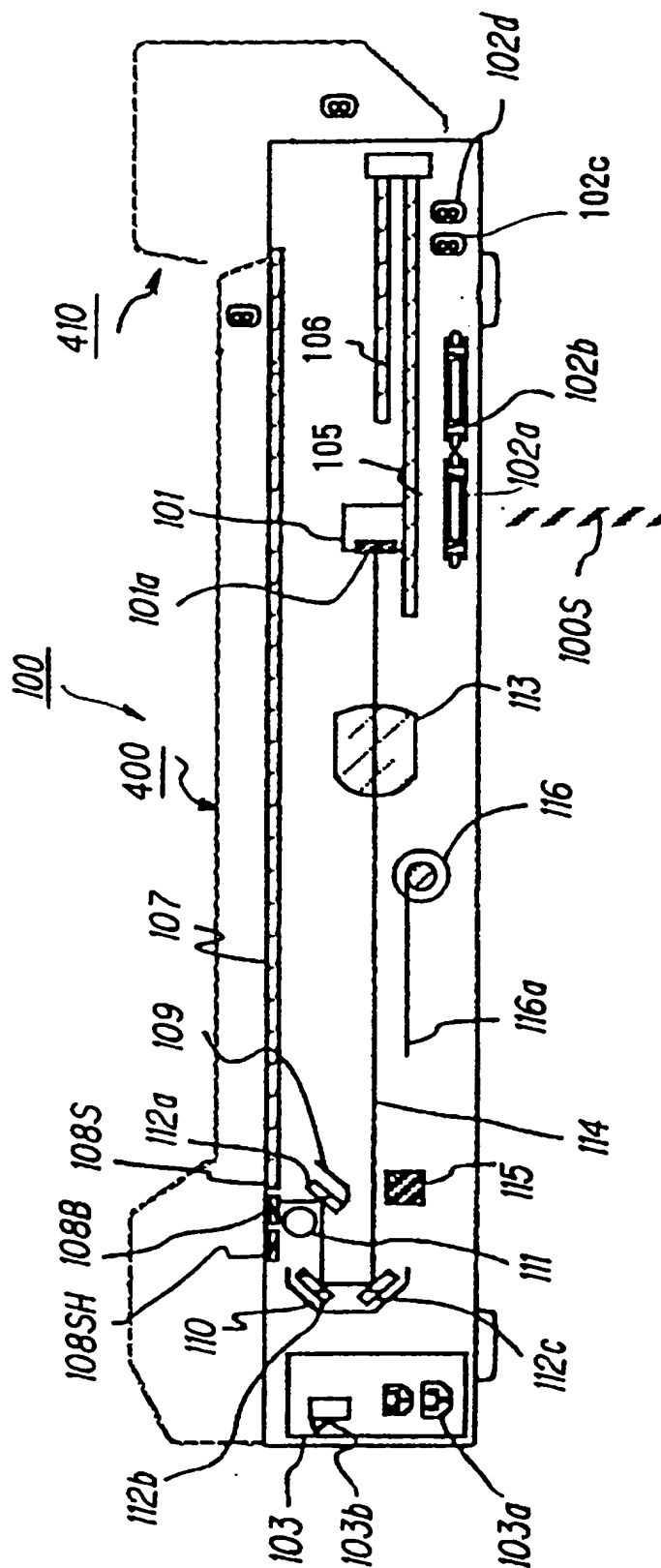


FIG. 4

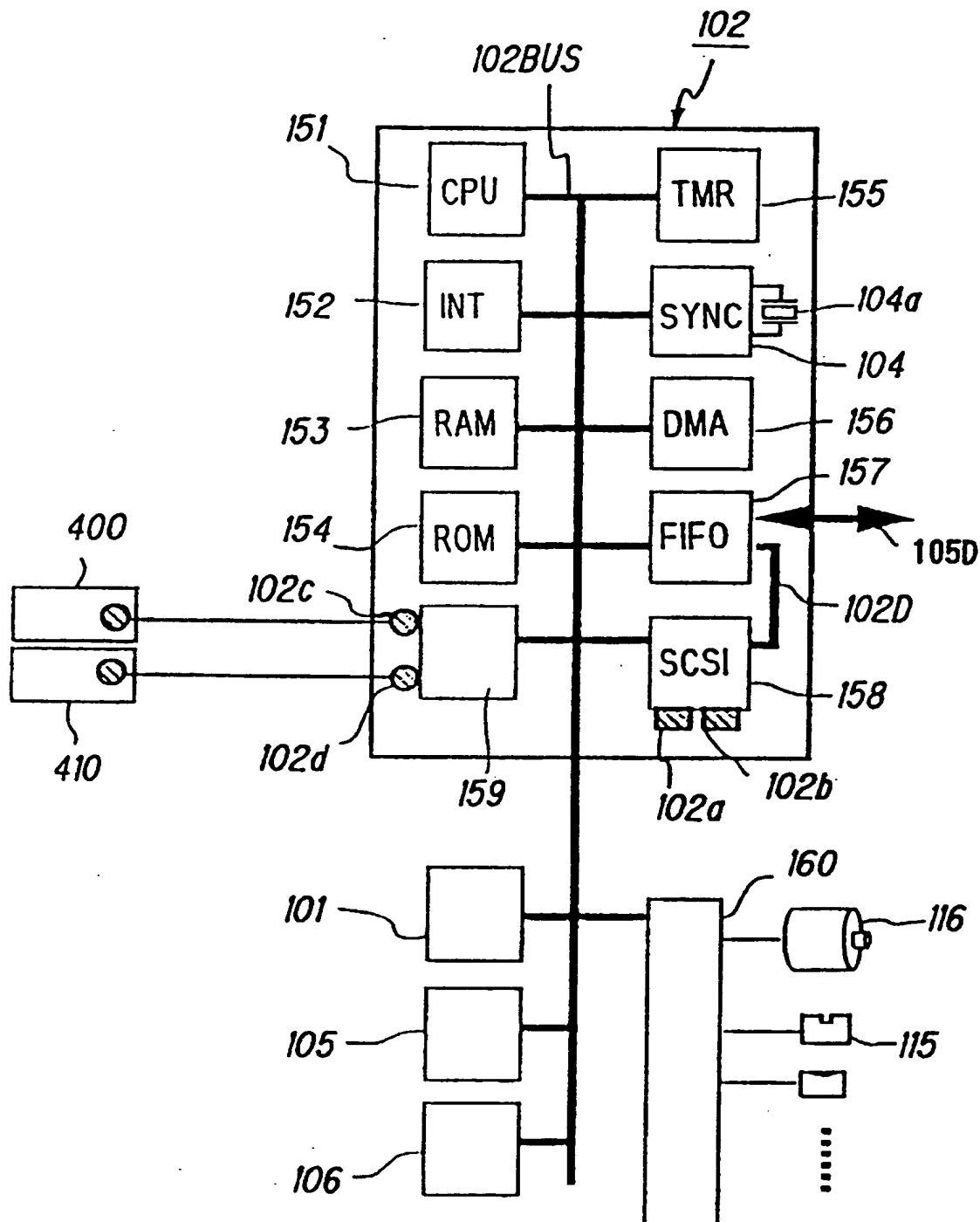
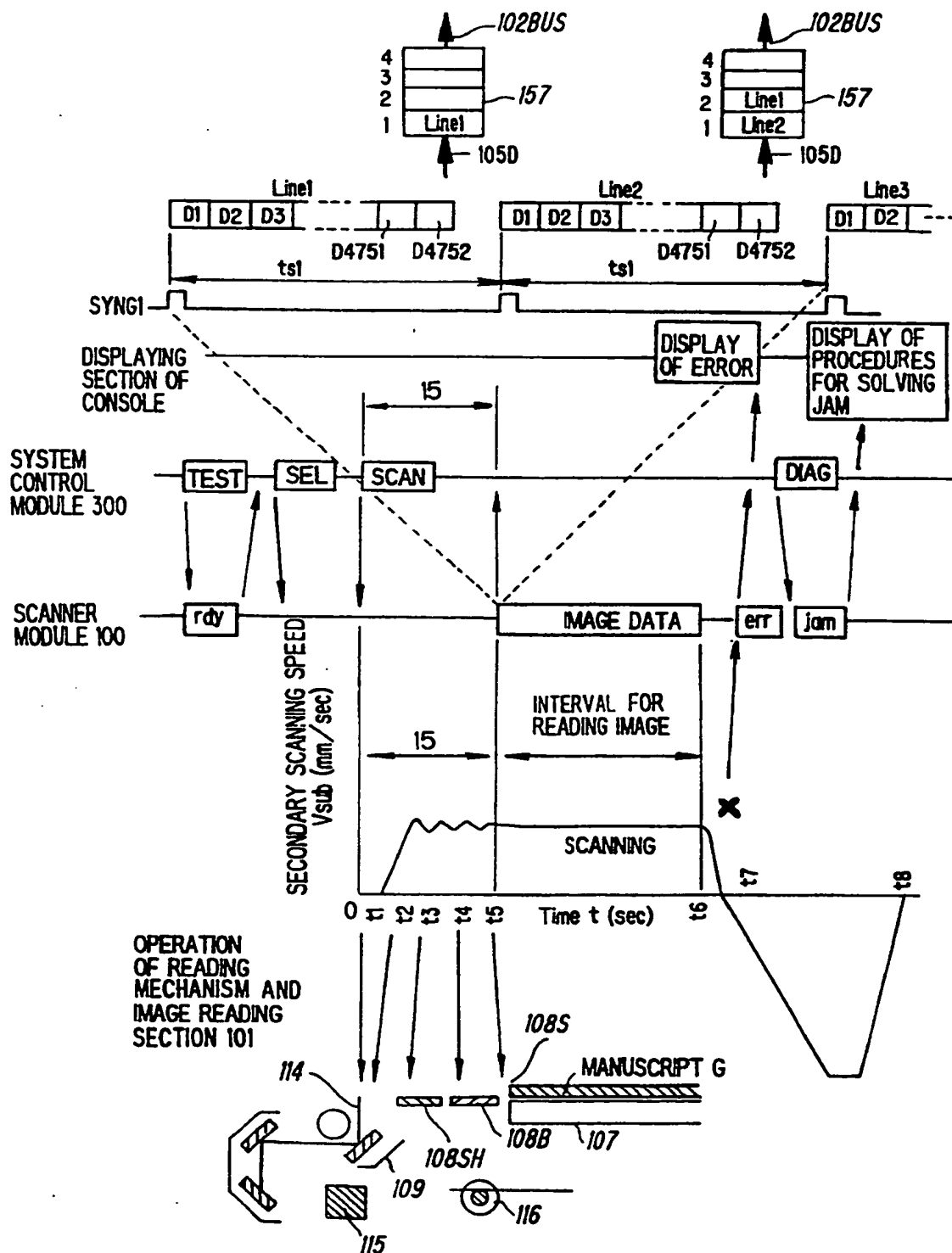


FIG. 5



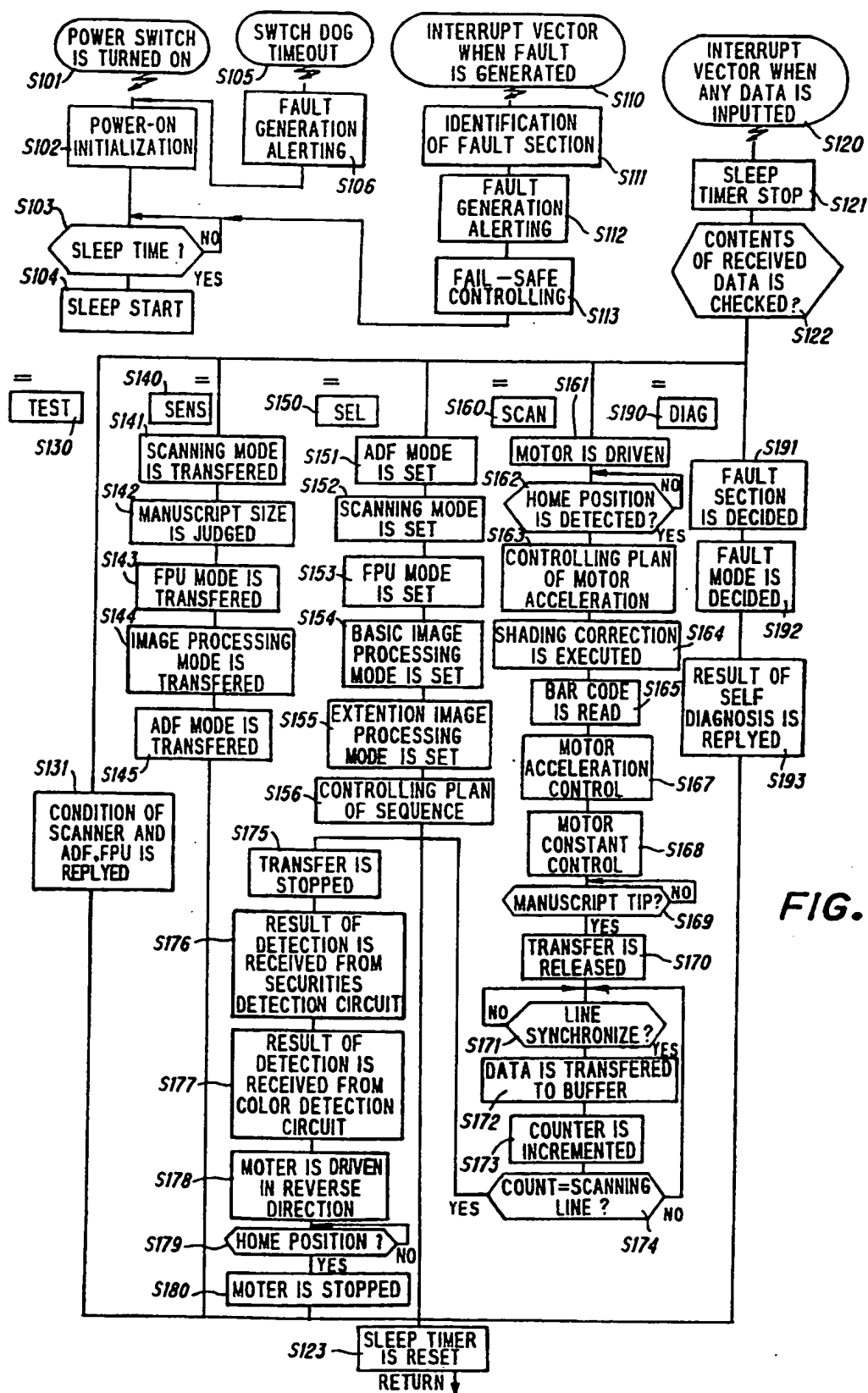
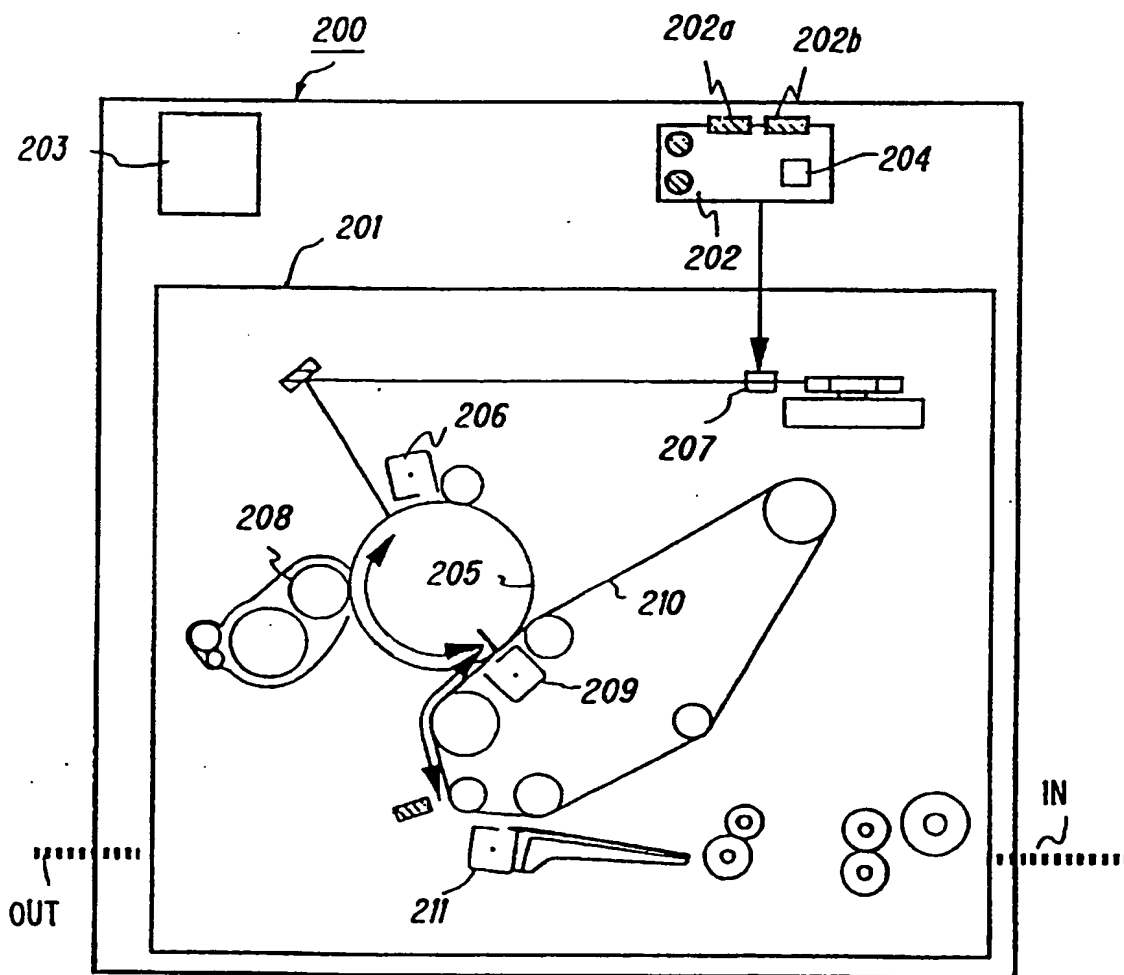


FIG. 6

FIG. 7



091835-1 SECT 260

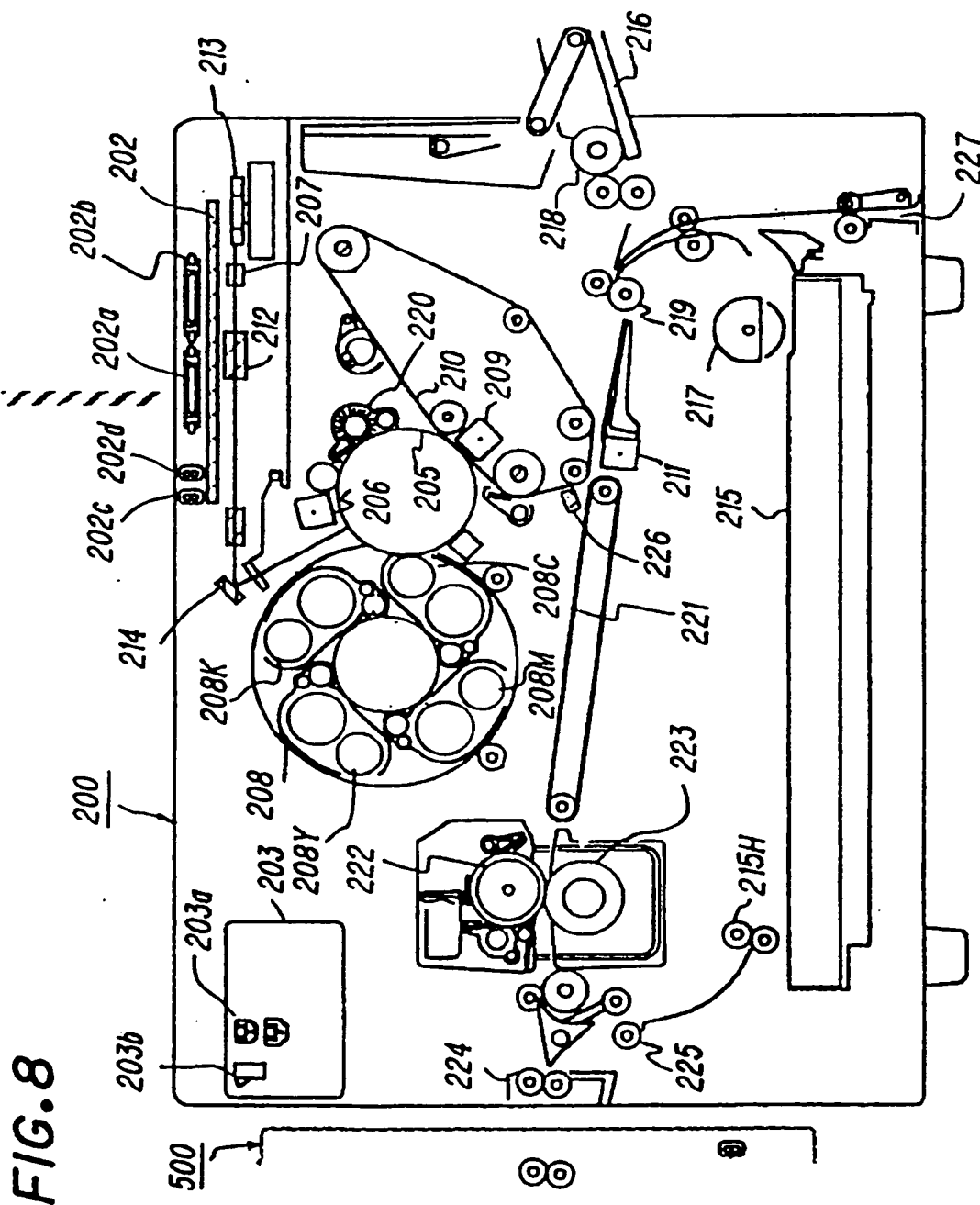


FIG. 9

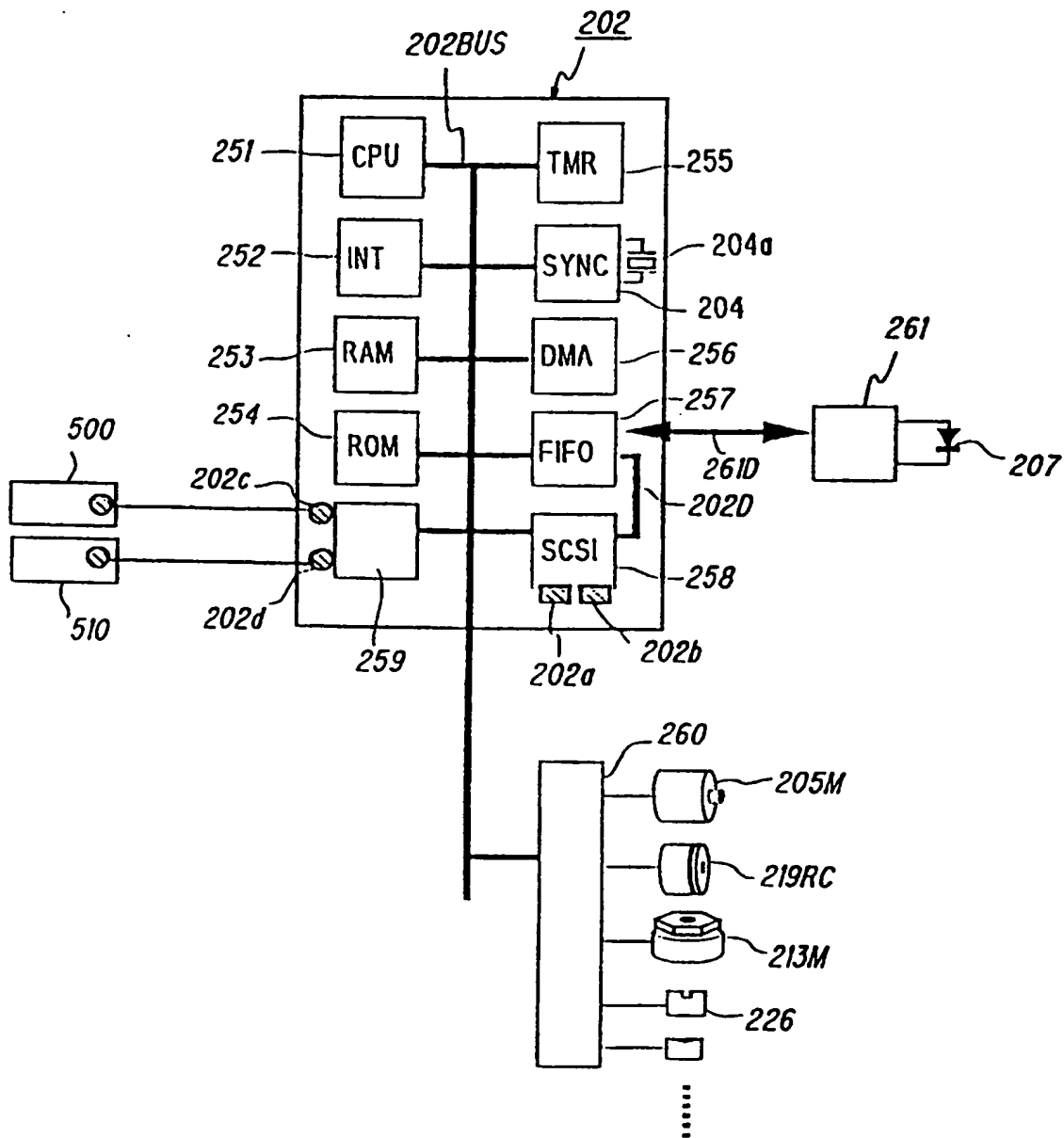
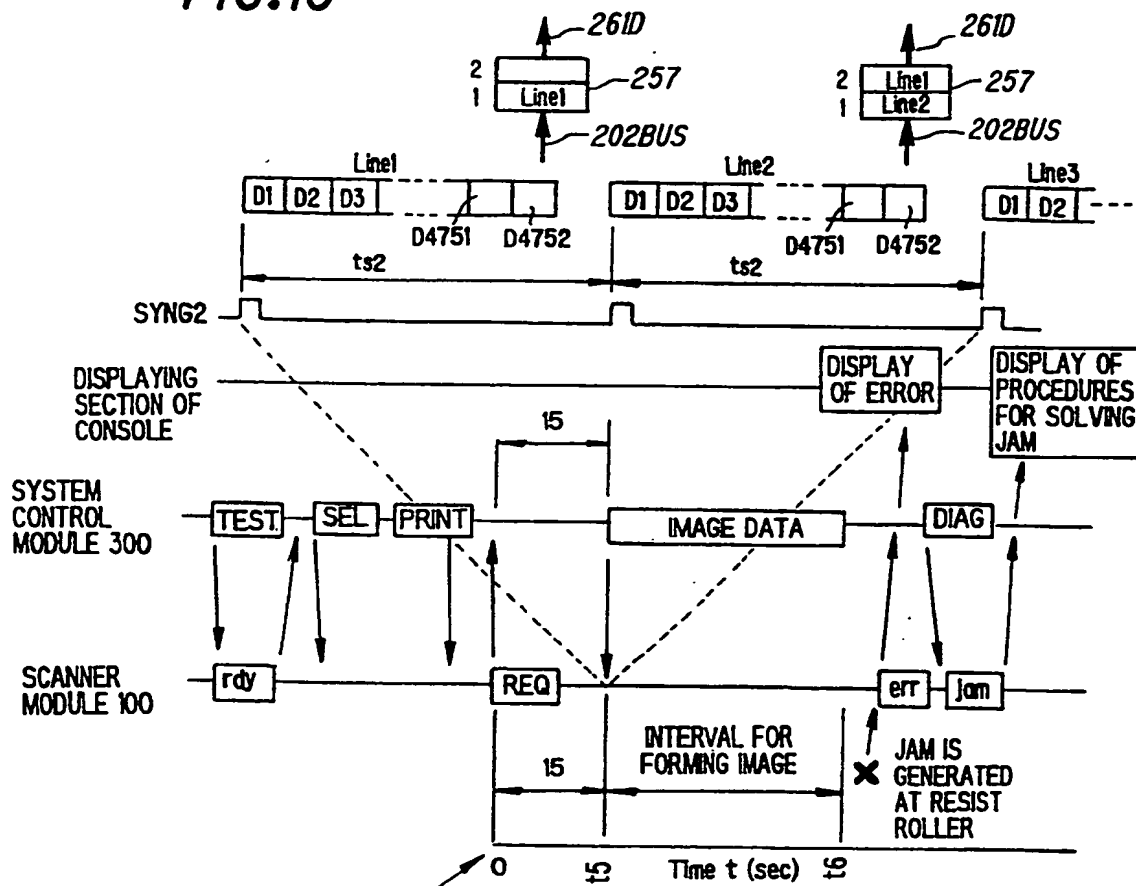


FIG. 10



OPERATION OF IMAGE FORMING SECTION

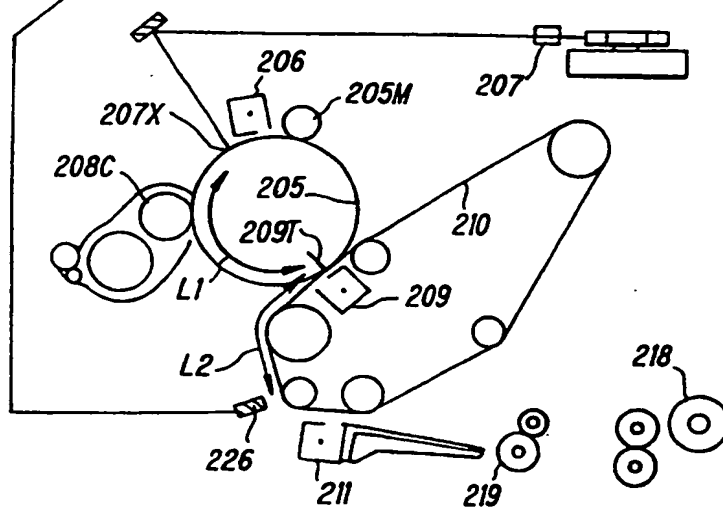
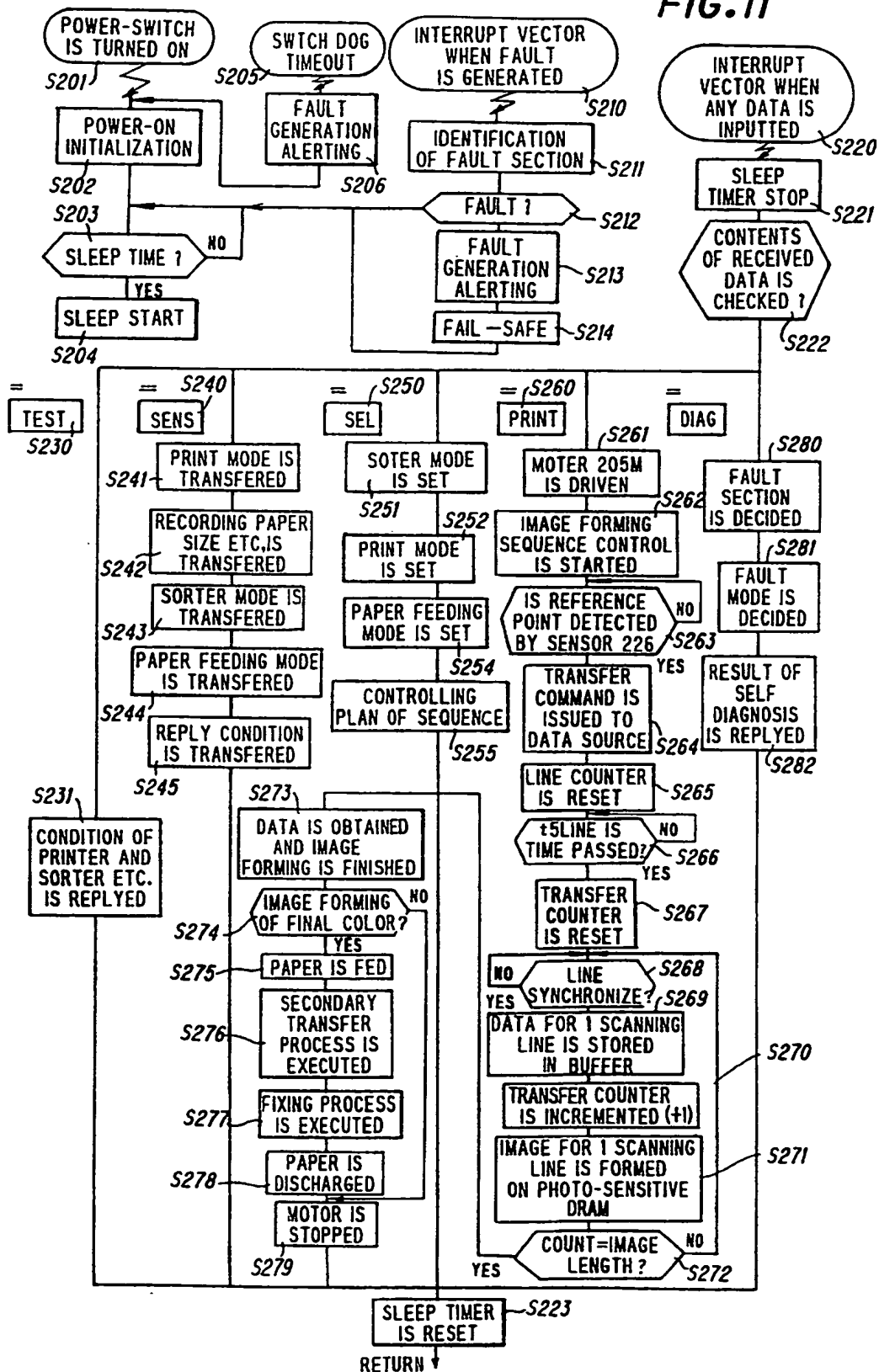


FIG. 11



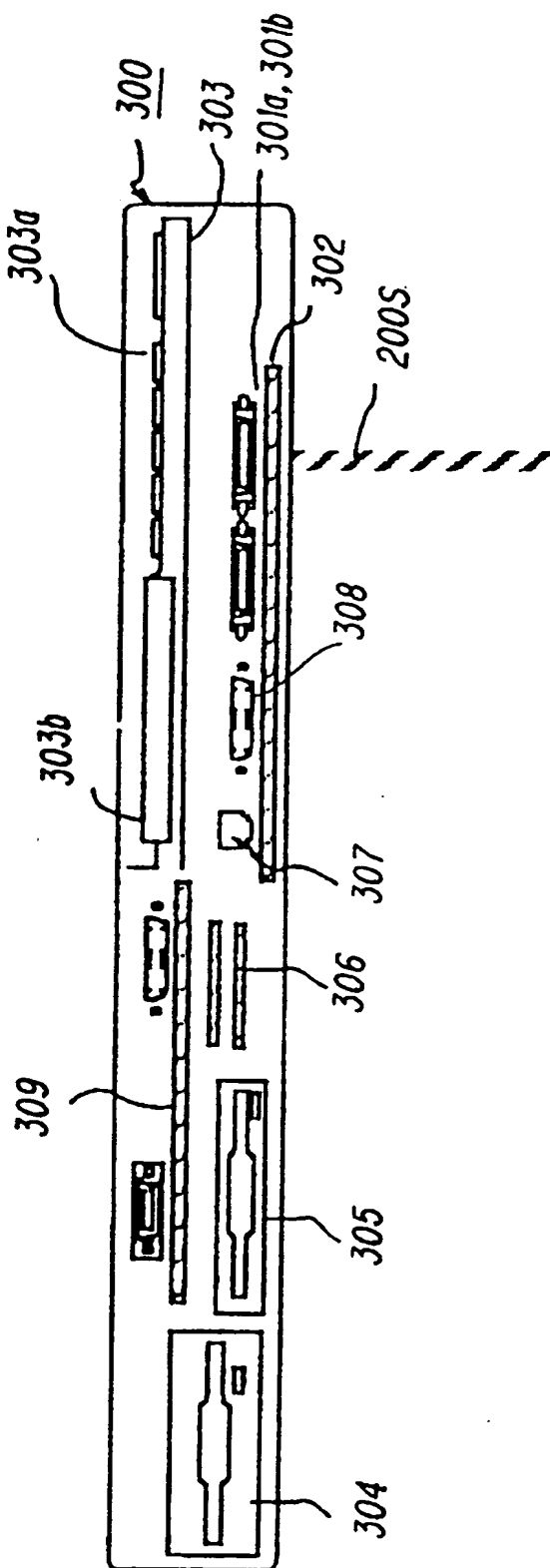


FIG. 14

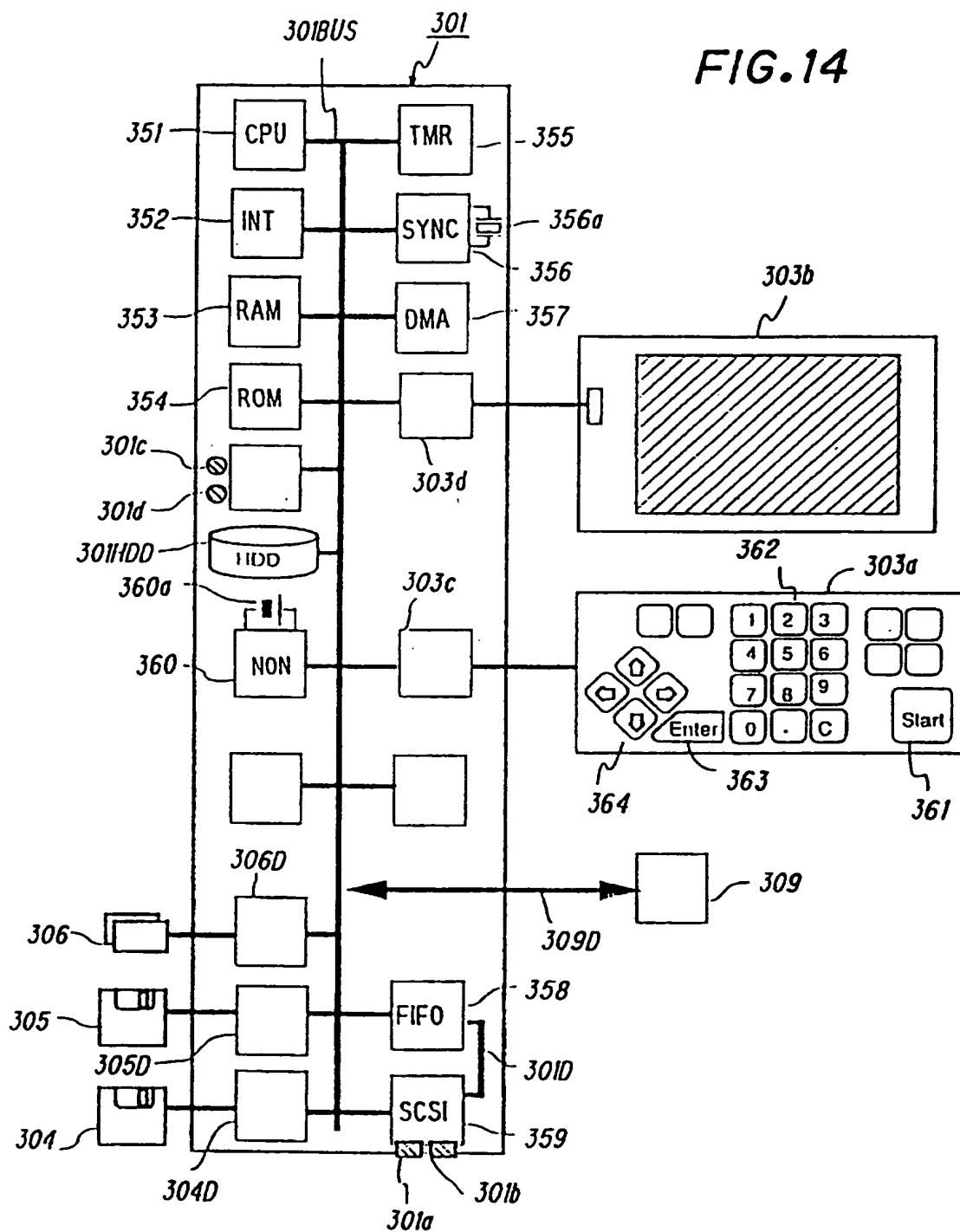


FIG. 14 is a block diagram of a system architecture.

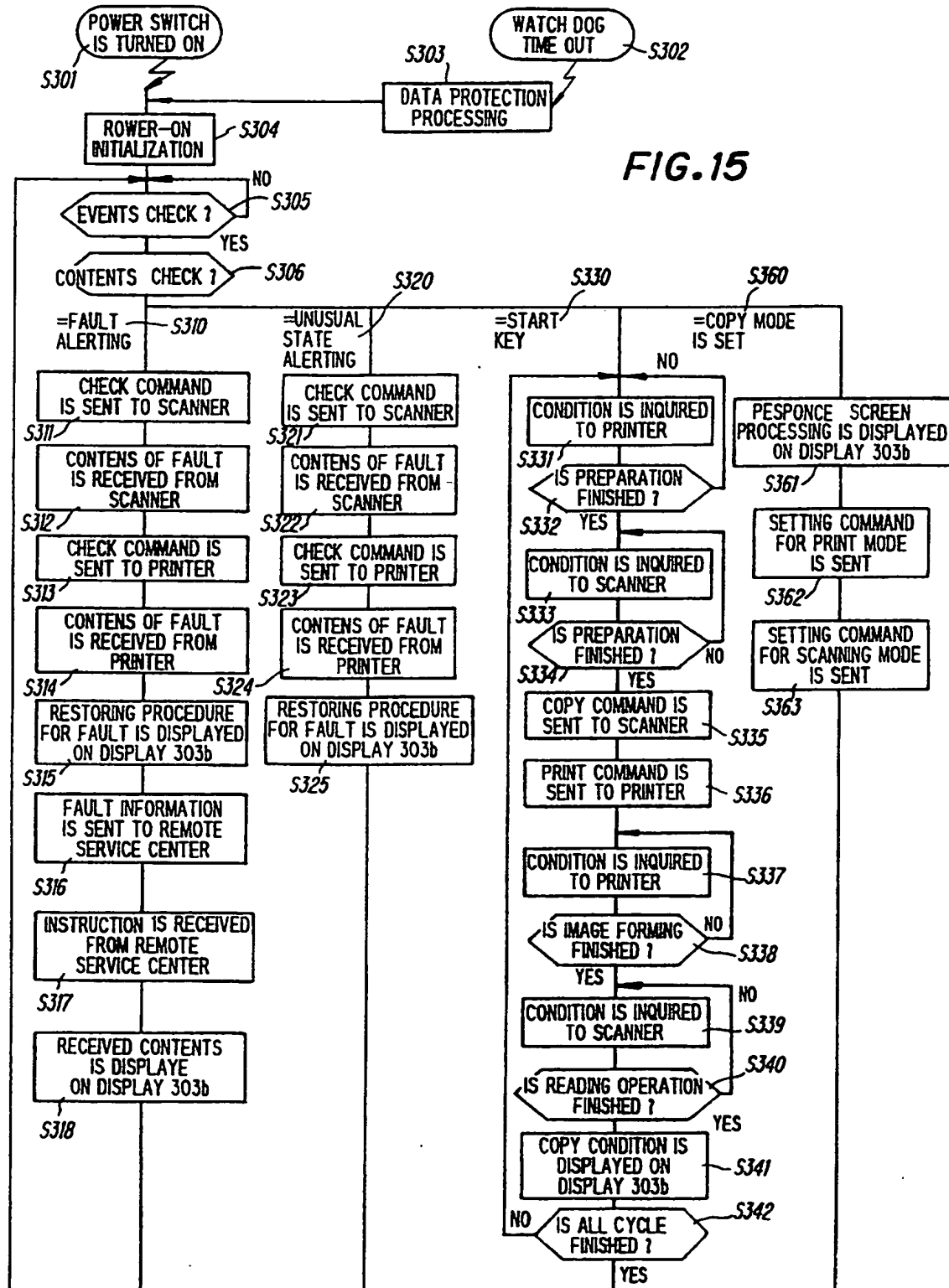


FIG. 16 A

The flowchart illustrates the setting operation for all kinds of mode, involving three main modules: SYSTEM CONTROL MODULE 300, SCANNER MODULE 100, and PRINTER MODULE 200.

SYSTEM CONTROL MODULE 300: The process begins with a "START KEY" input. The sequence of operations is: TEST, SEL, SEL, TEST, COPY, and PRINT. A callout "SETTING OPERATION FOR ALL KINDS OF MODE" points to the initial "TEST" step.

SCANNER MODULE 100: This module receives signals from the SYSTEM CONTROL MODULE 300 at the "TEST", "SEL", "SEL", and "TEST" steps. It outputs "rdy" (ready) signals back to the SYSTEM CONTROL MODULE 300 after each "TEST" step and to the PRINTER MODULE 200 after the first "TEST" step. It also outputs "SETTING SCANNING MODE" and "PREPARATION" signals to the PRINTER MODULE 200.

PRINTER MODULE 200: This module receives signals from the SCANNER MODULE 100 at the "rdy" step and from the SYSTEM CONTROL MODULE 300 at the "PRINT" step. It outputs "SETTING IMAGE GENERATING MODE" and "PREPARATION" signals to the PRINTER MODULE 200.

The flowchart shows the following sequence of operations:

- START KEY
- TEST (SYSTEM CONTROL MODULE 300) → rdy (SCANNER MODULE 100) → rdy (PRINTER MODULE 200)
- rdy (SCANNER MODULE 100) → TEST (SYSTEM CONTROL MODULE 300)
- TEST (SYSTEM CONTROL MODULE 300) → SEL (SYSTEM CONTROL MODULE 300)
- SEL (SYSTEM CONTROL MODULE 300) → SEL (SYSTEM CONTROL MODULE 300)
- SEL (SYSTEM CONTROL MODULE 300) → TEST (SYSTEM CONTROL MODULE 300)
- TEST (SYSTEM CONTROL MODULE 300) → COPY (SYSTEM CONTROL MODULE 300)
- COPY (SYSTEM CONTROL MODULE 300) → PRINT (SYSTEM CONTROL MODULE 300)
- PRINT (SYSTEM CONTROL MODULE 300) → PREPARATION (PRINTER MODULE 200)

FIG. 16B

The diagram illustrates the timing sequence for the system control module 300, scanner module 100, and printer module 200. The sequence of operations is as follows:

- SYSTEM CONTROL MODULE 300:** TEST, COPY, TEST, COPY, PRINT, CONTINUATION.
- SCANNER MODULE 100:** SCANNING (indicated by a wavy line), cyan data transfer, and Y IMAGE FORMING.
- PRINTER MODULE 200:** REQ (Request), rdY (Ready), and Y IMAGE FORMING.

Key timing points and operations include:

- TEST and COPY:** These operations are controlled by the SYSTEM CONTROL MODULE 300.
- rdY (Ready):** Signals from the SCANNER MODULE 100 and PRINTER MODULE 200 indicating they are ready for the next operation.
- PRINT:** The operation where the SYSTEM CONTROL MODULE 300 sends data to the PRINTER MODULE 200.
- CONTINUATION:** The final operation in the sequence.
- SCANNING:** Indicated by a wavy line, showing the duration of the scanning process.
- Y IMAGE FORMING:** The process of forming the yellow image, which occurs after the SCANNING and PRINT operations.
- REQ (Request):** A signal from the PRINTER MODULE 200 to the SYSTEM CONTROL MODULE 300.
- rdY (Ready):** A signal from the PRINTER MODULE 200 to the SYSTEM CONTROL MODULE 300.
- Timing:** The duration of the Y IMAGE FORMING process is marked as $t5(const)$. The duration of the SCANNING process is also marked as $t5(const)$.
- TIP DETECTION:** Indicated by a dashed line, showing the timing of the tip detection operation.

FIG. 17

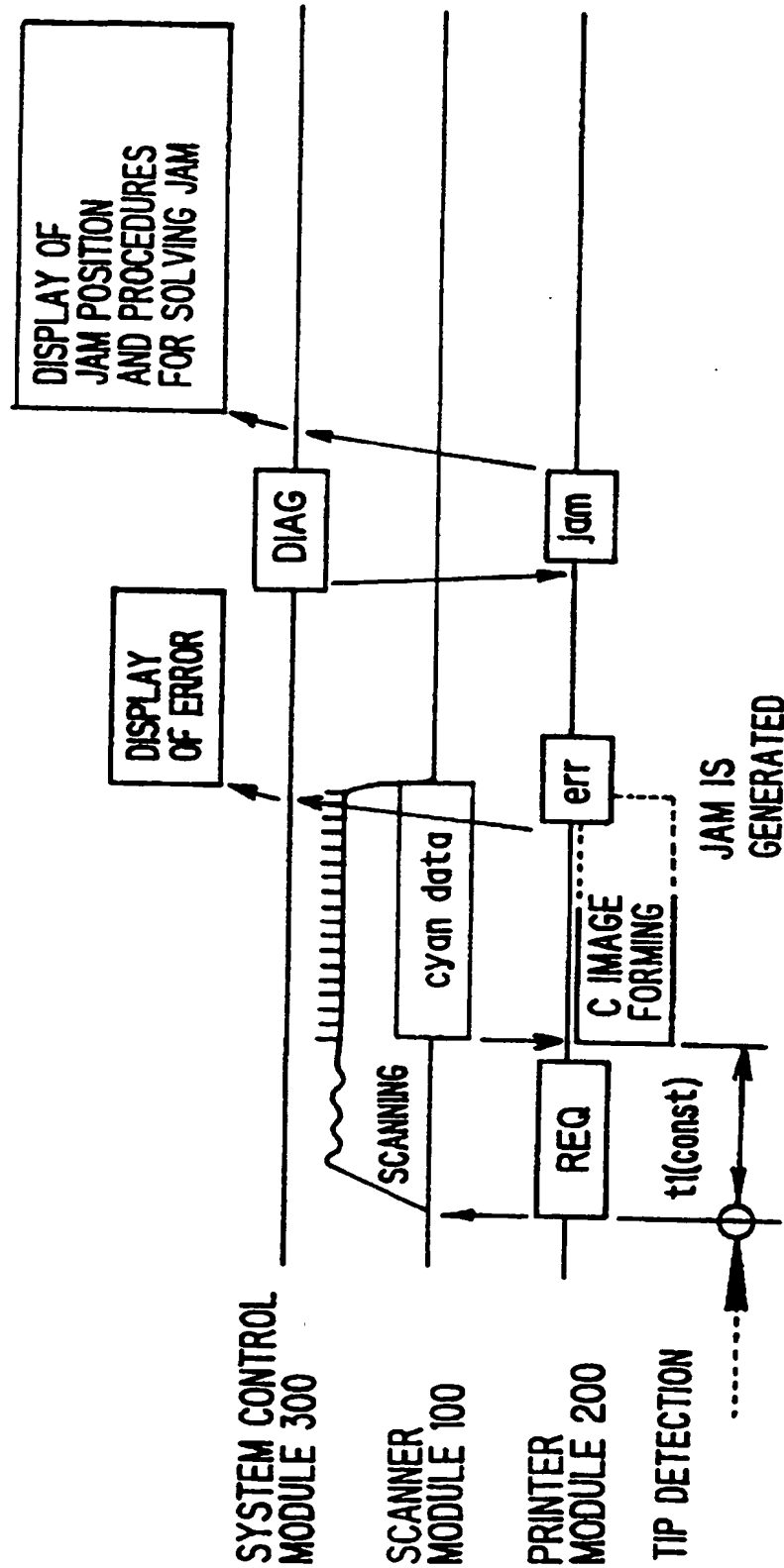


FIG. 18A

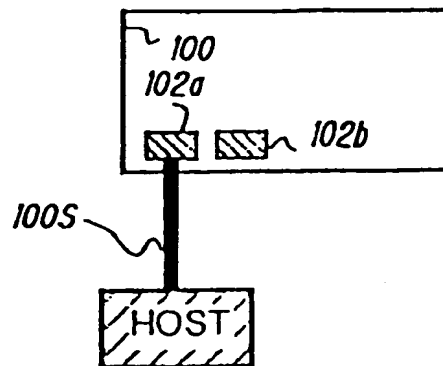


FIG. 18B

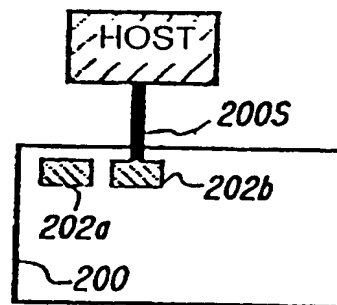


FIG. 18C

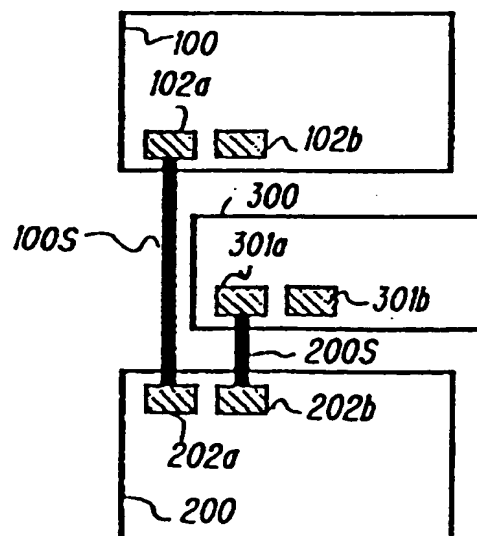
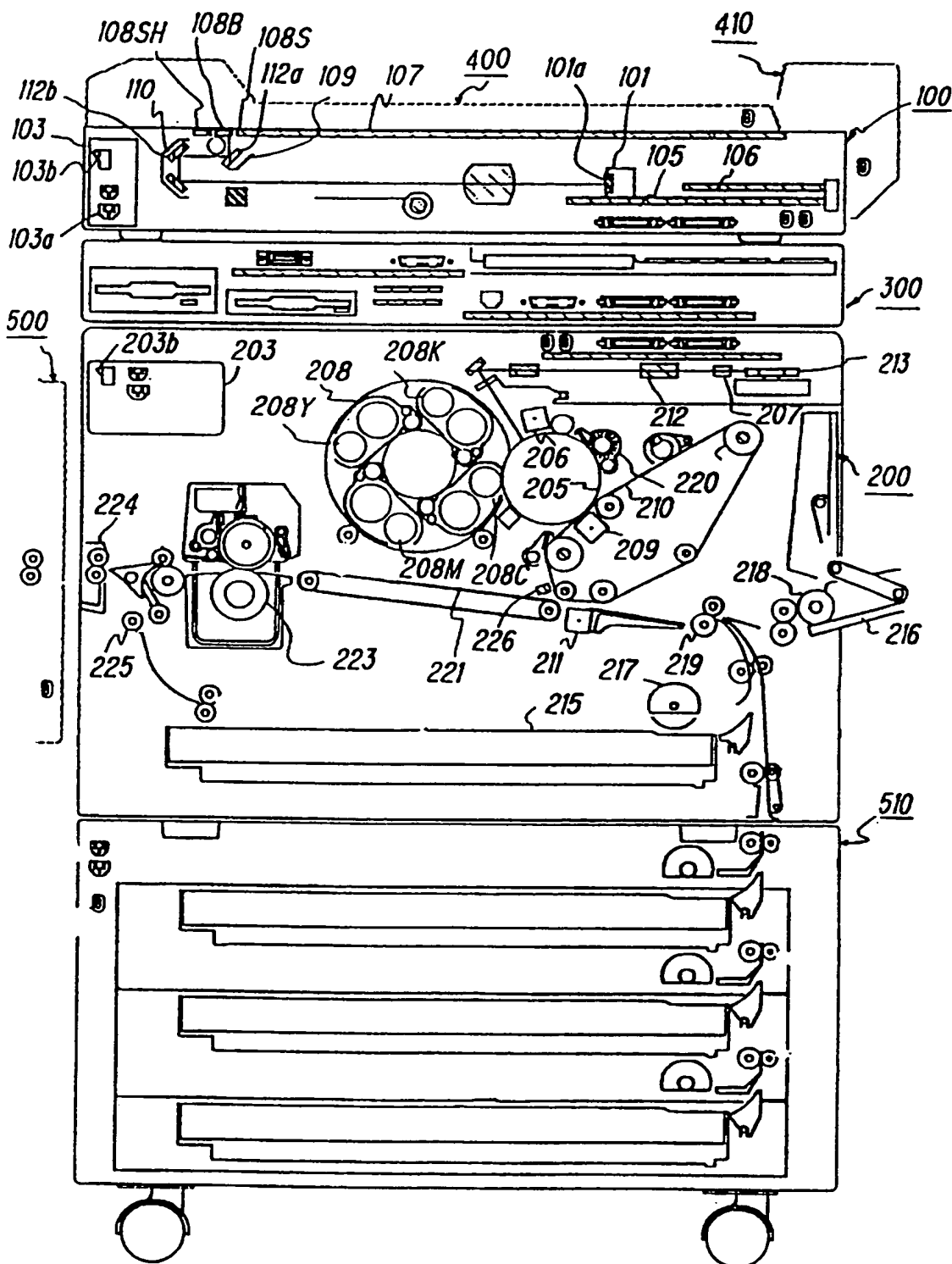


FIG. 19B

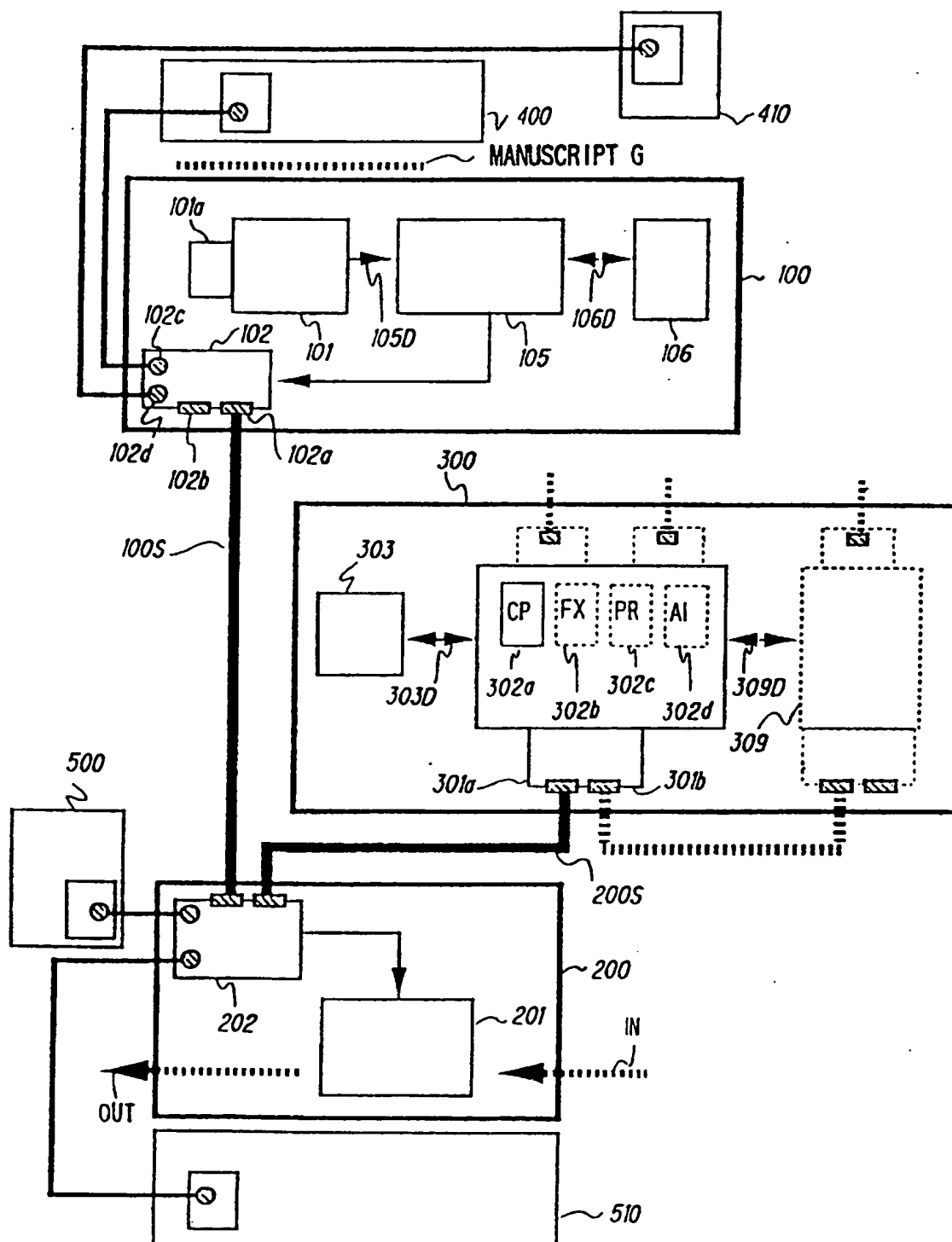
ISDN
HOST

FIG. 20



SECRET

FIG. 21



091333 1222 86221 "SECRET"

FIG. 22

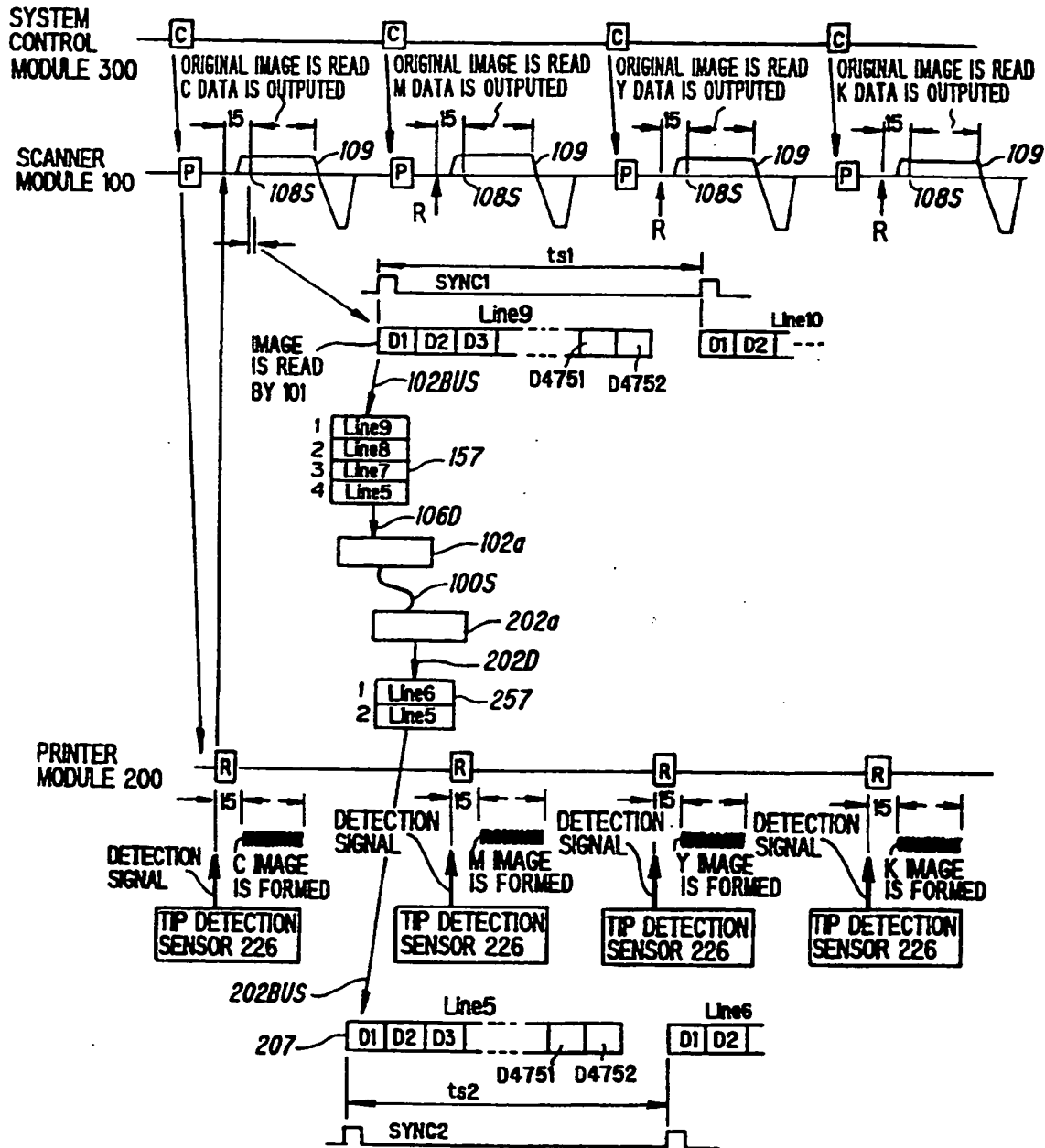


FIG. 22 "SEE FIG. 21"

FIG. 23

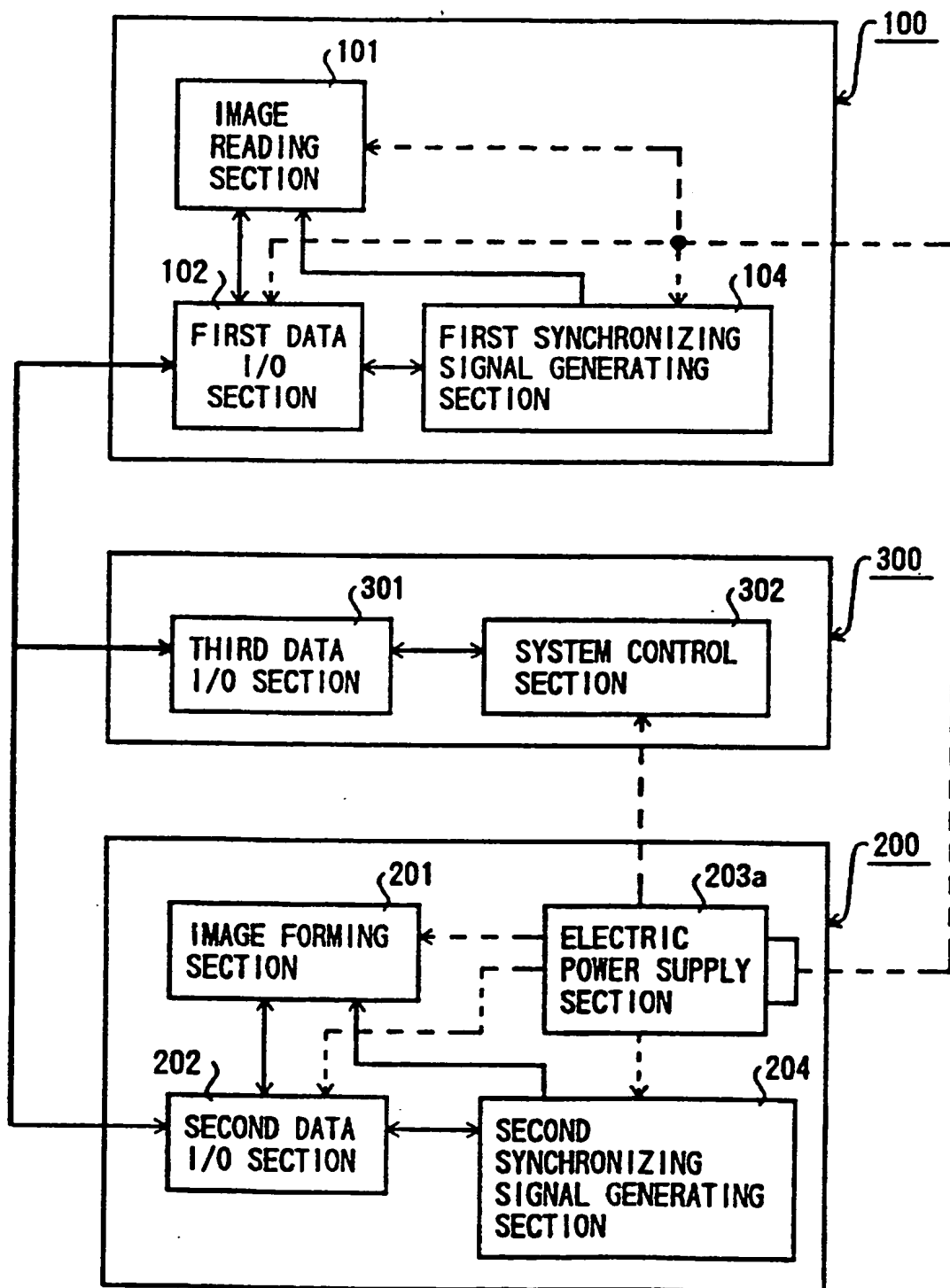


FIG. 2B

601 1021 600 504 200 603 301U 604 602

ELECTRIC WAVE ELECTRIC WAVE

FIG. 26A

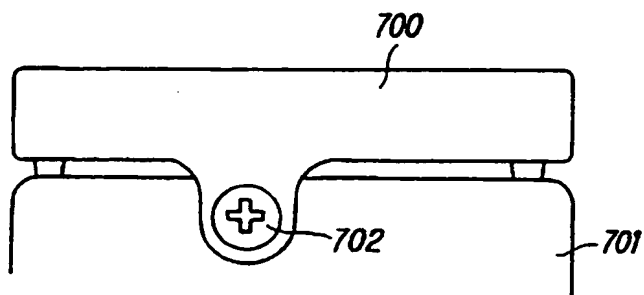


FIG. 26B

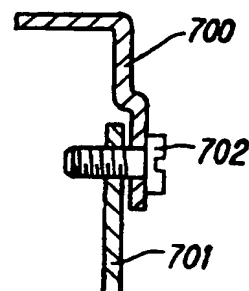
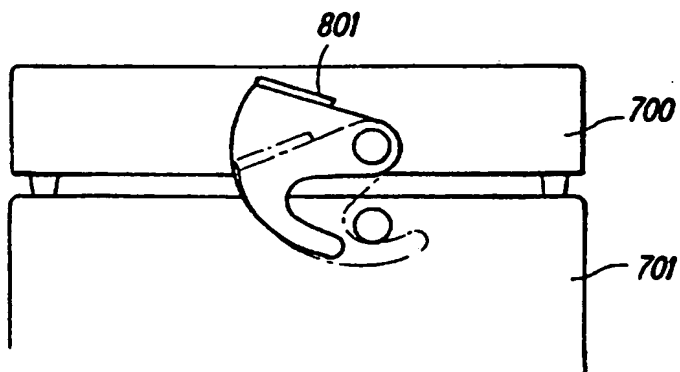


FIG. 27



09218335-122298
86222T" SEEST260